



#2

ENTERED

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002 P.6

TIME: 15:17:02

Input Set : A:\D-3018.app

Output Set: N:\CRF3\03122002\J082691.raw

3 <110> APPLICANT: Donovan, Stephen
 5 <120> TITLE OF INVENTION: METHODS FOR TREATING INFLAMMATION PAIN
 7 <130> FILE REFERENCE: D-3018
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/082,691
 C--> 10 <141> CURRENT FILING DATE: 2002-02-25
 12 <160> NUMBER OF SEQ ID NOS: 18
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 11
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Unknown Organism
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is
 23 a substance P and is very well known in the art.
 25 <220> FEATURE:
 26 <221> NAME/KEY: MOD_RES
 27 <222> LOCATION: (10)
 28 <223> OTHER INFORMATION: Xaa at position 10 is Methionine amide;
 30 <300> PUBLICATION INFORMATION:
 31 <310> PATENT DOC NO: 5891842
 32 <311> PATENT FILING DATE: 1996-04-12
 33 <312> PUBLICATION DATE: 1999-04-16
 35 <400> SEQUENCE: 1
 W--> 36 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Xaa
 37 1 5 10
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 12
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Unknown Organism
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Description of Unknown Organism: Precursor to
 47 substance P, which is very well known in the art.
 49 <300> PUBLICATION INFORMATION:
 50 <310> PATENT DOC NO: 5891842
 51 <311> PATENT FILING DATE: 1996-04-12
 52 <312> PUBLICATION DATE: 1999-04-16
 54 <300> PUBLICATION INFORMATION:
 55 <301> AUTHORS: Shimonka, et al.
 56 <303> JOURNAL: J. Neurochem.
 57 <304> VOLUME: 52
 58 <306> PAGES: 81-92
 59 <307> DATE: 1992
 61 <400> SEQUENCE: 2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002

TIME: 15:17:02

Input Set : A:\D-3018.app

Output Set: N:\CRF3\03122002\J082691.raw

62 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly
63 1 5 10
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 13
68 <212> TYPE: PRT
69 <213> ORGANISM: Unknown Organism
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is
73 a precursor to substance P and is very well known
74 in the art.
76 <300> PUBLICATION INFORMATION:
77 <310> PATENT DOC NO: 5891842
78 <311> PATENT FILING DATE: 1996-04-12
79 <312> PUBLICATION DATE: 1999-04-16
81 <300> PUBLICATION INFORMATION:
82 <301> AUTHORS: Shimonka, et al.
83 <303> JOURNAL: J. Neurochem.
84 <304> VOLUME: 52
85 <306> PAGES: 81-92
86 <307> DATE: 1992
88 <400> SEQUENCE: 3
89 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
90 1 5 10
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 14
95 <212> TYPE: PRT
96 <213> ORGANISM: Unknown Organism
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is
100 a precursor to substance P and is very well known
101 in the art.
103 <300> PUBLICATION INFORMATION:
104 <310> PATENT DOC NO: 5891842
105 <311> PATENT FILING DATE: 1996-04-12
106 <312> PUBLICATION DATE: 1999-04-16
108 <300> PUBLICATION INFORMATION:
109 <301> AUTHORS: Shimonka, et al.
110 <303> JOURNAL: J. Neurochem.
111 <304> VOLUME: 52
112 <306> PAGES: 81-92
113 <307> DATE: 1992
115 <400> SEQUENCE: 4
116 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
117 1 5 10
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 12
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002

TIME: 15:17:02

Input Set : A:\D-3018.app

Output Set: N:\CRF3\03122002\J082691.raw

126 <223> OTHER INFORMATION: Description of Artificial Sequence: This fragment
 127 is a carboxy-ester synthetic precursor to
 128 substance P.

130 <220> FEATURE:
 131 <221> NAME/KEY: MOD_RES
 132 <222> LOCATION: (12)
 133 <223> OTHER INFORMATION: Xaa at position 12 is Glycine Methyl Ester;
 135 <300> PUBLICATION INFORMATION:
 136 <310> PATENT DOC NO: 5891842
 137 <311> PATENT FILING DATE: 1996-04-12
 138 <312> PUBLICATION DATE: 1999-04-16
 140 <300> PUBLICATION INFORMATION:
 141 <301> AUTHORS: Lee, et al.
 142 <303> JOURNAL: Eur. J. Biochem.
 143 <304> VOLUME: 114
 144 <306> PAGES: 315-327
 145 <307> DATE: 1981
 147 <300> PUBLICATION INFORMATION:
 148 <301> AUTHORS: Pernow, B.
 149 <303> JOURNAL: Pharmacol. Rev.
 150 <304> VOLUME: 35
 151 <306> PAGES: 86-138
 152 <307> DATE: 1983
 154 <300> PUBLICATION INFORMATION:
 155 <301> AUTHORS: Regoli, et al.
 156 <303> JOURNAL: TIPS
 157 <304> VOLUME: 9
 158 <306> PAGES: 290-295
 159 <307> DATE: 1988
 161 <400> SEQUENCE: 5

W--> 162 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Xaa
 163 1 5 10
 166 <210> SEQ ID NO: 6
 167 <211> LENGTH: 13
 168 <212> TYPE: PRT
 169 <213> ORGANISM: Artificial Sequence
 171 <220> FEATURE:
 172 <223> OTHER INFORMATION: Description of Artificial Sequence: This is a
 173 carboxy-ester synhyetic precursor to substance P.

175 <220> FEATURE:
 176 <221> NAME/KEY: MOD_RES
 177 <222> LOCATION: (13)
 178 <223> OTHER INFORMATION: Xaa at position 13 is Lysine Methyl Ester;
 180 <300> PUBLICATION INFORMATION:
 181 <310> PATENT DOC NO: 5891842
 182 <311> PATENT FILING DATE: 1996-04-12
 183 <312> PUBLICATION DATE: 1999-04-16
 185 <300> PUBLICATION INFORMATION:
 186 <301> AUTHORS: Lee, et al.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002

TIME: 15:17:02

Input Set : A:\D-3018.app

Output Set: N:\CRF3\03122002\J082691.raw

187 <303> JOURNAL: Eur. J. Biochem.
 188 <304> VOLUME: 114
 189 <306> PAGES: 315-327
 190 <307> DATE: 1981
 192 <300> PUBLICATION INFORMATION:
 193 <301> AUTHORS: Pernow, B.
 194 <303> JOURNAL: Pharmacol. Rev.
 195 <304> VOLUME: 35
 196 <306> PAGES: 86-138
 197 <307> DATE: 1983
 199 <300> PUBLICATION INFORMATION:
 200 <301> AUTHORS: Regoli, et al.
 201 <303> JOURNAL: TIPS
 202 <304> VOLUME: 9
 203 <306> PAGES: 290-295
 204 <307> DATE: 1988
 206 <400> SEQUENCE: 6
 W--> 207 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Xaa
 208 1 5 10
 211 <210> SEQ ID NO: 7
 212 <211> LENGTH: 14
 213 <212> TYPE: PRT
 214 <213> ORGANISM: Artificial Sequence
 216 <220> FEATURE:
 217 <223> OTHER INFORMATION: Description of Artificial Sequence: This is a
 218 carboxy-ester synthetic precursor to substance P.
 220 <220> FEATURE:
 221 <221> NAME/KEY: MOD_RES
 222 <222> LOCATION: (14)
 223 <223> OTHER INFORMATION: Xaa at position 14 is Arginine Methyl Ester;
 225 <300> PUBLICATION INFORMATION:
 226 <310> PATENT DOC NO: 5891842
 227 <311> PATENT FILING DATE: 1996-04-12
 228 <312> PUBLICATION DATE: 1999-04-16
 230 <300> PUBLICATION INFORMATION:
 231 <301> AUTHORS: Lee, et al.
 232 <303> JOURNAL: Eur. J. Biochem.
 233 <304> VOLUME: 114
 234 <306> PAGES: 315-327
 235 <307> DATE: 1981
 237 <300> PUBLICATION INFORMATION:
 238 <301> AUTHORS: Pernow, B.
 239 <303> JOURNAL: Pharmacol. Rev.
 240 <304> VOLUME: 35
 241 <306> PAGES: 86-138
 242 <307> DATE: 1983
 244 <300> PUBLICATION INFORMATION:
 245 <301> AUTHORS: Regoli, et al.
 246 <303> JOURNAL: TIPS

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002

TIME: 15:17:02

Input Set : A:\D-3018.app

Output Set: N:\CRF3\03122002\J082691.raw

247 <304> VOLUME: 9
 248 <306> PAGES: 290-295
 249 <307> DATE: 1988
 251 <400> SEQUENCE: 7
 W--> 252 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Xaa
 253 1 5 10
 256 <210> SEQ ID NO: 8
 257 <211> LENGTH: 12
 258 <212> TYPE: PRT
 259 <213> ORGANISM: Artificial Sequence
 261 <220> FEATURE:
 262 <223> OTHER INFORMATION: Description of Artificial Sequence: This is a
 263 carboxy-ester synthetic precursor to substance P.
 265 <220> FEATURE:
 266 <221> NAME/KEY: MOD_RES
 267 <222> LOCATION: (12)
 268 <223> OTHER INFORMATION: Xaa at position 12 is Glycine Ethyl Ester;
 270 <300> PUBLICATION INFORMATION:
 271 <310> PATENT DOC NO: 5891842
 272 <311> PATENT FILING DATE: 1996-04-12
 273 <312> PUBLICATION DATE: 1999-04-16
 275 <300> PUBLICATION INFORMATION:
 276 <301> AUTHORS: Lee, et al.
 277 <303> JOURNAL: Eur. J. Biochem.
 278 <304> VOLUME: 114
 279 <306> PAGES: 315-327
 280 <307> DATE: 1981
 282 <300> PUBLICATION INFORMATION:
 283 <301> AUTHORS: Pernow, B.
 284 <303> JOURNAL: Pharmacol. Rev.
 285 <304> VOLUME: 35
 286 <306> PAGES: 86-138
 287 <307> DATE: 1983
 289 <300> PUBLICATION INFORMATION:
 290 <301> AUTHORS: Regoli, et al.
 291 <303> JOURNAL: TIPS
 292 <304> VOLUME: 9
 293 <306> PAGES: 290-295
 294 <307> DATE: 1988
 296 <400> SEQUENCE: 8
 W--> 297 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Xaa
 298 1 5 10
 301 <210> SEQ ID NO: 9
 302 <211> LENGTH: 13
 303 <212> TYPE: PRT
 304 <213> ORGANISM: Artificial Sequence
 306 <220> FEATURE:
 307 <223> OTHER INFORMATION: Description of Artificial Sequence: This is a
 308 carboxy-ester synthetic precursor to substance P.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002
TIME: 15:17:03

Input Set : A:\D-3018.app
Output Set: N:\CRF3\03122002\J082691.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 11
Seq#:5; Xaa Pos. 12
Seq#:6; Xaa Pos. 13
Seq#:7; Xaa Pos. 14
Seq#:8; Xaa Pos. 12
Seq#:9; Xaa Pos. 13
Seq#:10; Xaa Pos. 14
Seq#:14; Xaa Pos. 2,7,9,11
Seq#:15; Xaa Pos. 2,7,9
Seq#:16; Xaa Pos. 2,7,9,11
Seq#:17; Xaa Pos. 2,7,9
Seq#:18; Xaa Pos. 11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/082,691

DATE: 03/12/2002

TIME: 15:17:03

Input Set : A:\D-3018.app

Output Set: N:\CRF3\03122002\J082691.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0